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[HOME](#) [ABOUT SIVO](#) [NEWS](#) [LAW & POLICY](#) [SPECIAL TOPIC](#)**Title: Synthetic method for biodegradability polyester material****Application Number** 96117591 **Application Date** 1996.06.24**Publication Number** 1146466 **Publication Date** 1997.04.02**Priority Information****International Classification** C08G63/08**Applicant(s) Name** Chengdu Inst. of Organic Chemistry, Chinese Academy of Sciences**Address****Inventor(s) Name** Deng Xianmo;Yuan Minglong**Patent Agency Code** 51001 **Patent Agent** YANG JUNHUA**Abstract**

The present invention relates to a method for synthesizing biodegradable polyester material. Said invention is made up by using caprolactone, lactide and diglycolide, etc. as monomer, and making them by the procedure of copolymerization or copolymerization by adding polyether. Its catalyst is alkyl rare earth compound or a ratio of monomer/catalyst is 50-5000. Under the protection of inert gas the polymerization reaction is implemented for 24 hr. The obtained product is high in molecular weight, and possesses good biodegradability and biocompatibility, and can be used in biomedical material, and can be used in daily life.

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